2021 CERTIFICATION

Consumer Confidence Report (CCR)

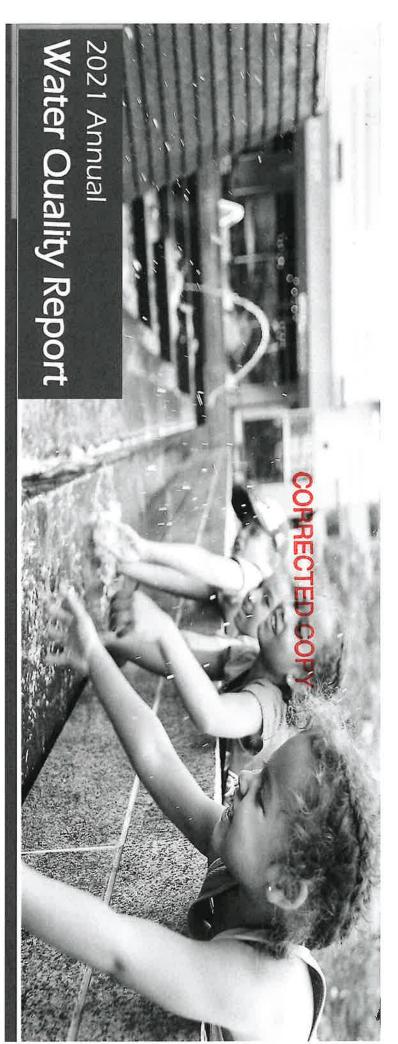
2022 JUL 1 PM8:57

Black Creek

PRINT Public Water System Name MS0180021

List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTIO	N (Check all boxes that apply)	
INDIRECT DELIVERY METHODS (Attach copy of put	blication, water bill or other)	DATE ISSUED
☐ Advertisement in local paper (Attach copy of advertisem	nent)	
□ On water bill (Attach copy of bill)		
□ Email message (Email the message to the address below)		
□ Other (Describe:		— a
		_)
DIRECT DELIVERY METHOD (Attach copy of publica	ation, water bill or other)	DATE ISSUED
ฎ Distributed via U.S. Postal Service	5	06/30/2021
□ Distributed via E-mail as a URL (Provide direct URL):		
□ Distributed via Email as an attachment		
□ Distributed via Email as text within the body of emai	I message	
□ Published in local newspaper (attach copy of published	CCR or proof of publication)	
□ Posted in public places (attach list of locations or list here	e)	
7		
	om/wp-content/uploads/2022/06/Black-Creek-Consumer	06/30/2021
25-04-25-04-25-04-04-04-04-04-04-04-04-04-04-04-04-04-	ERTIFICATION	
I hereby certify that the Consumer Confidence Report (CCI the appropriate distribution method(s) based on population is correct and consistent with the water quality monitoring of Federal Regulations (CFR) Title 40, Part 141.151 – 155.	served. Furthermore, I certify that the information and fulfills all CCI	ation contained in the report
Mandy Sappington	EH&S Compliance Manager	06/30/2021
Name	Title	Date
SUBMISSION OF	PTIONS (Select one method ONLY)	
You must email or mail a copy of the CCR, Control the MSDH, Bure	ertification, and associated proof of each of Public Water Supply.	delivery method(s) to
Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215	Email: water.reports@msdh.r	ms.gov

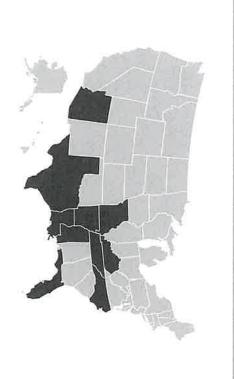


Great River Utility Operating Company Black Creek PWS ID MS0180021

ATTENTION: Landlords and Apartment Owners

Please share a copy of this notice with your tenants. It includes important information about their drinking water quality.





- 03 About Us
- 04 About Your Drinking Water Supply
- 05 Definition of Terms
- 06 Sources of Contaminants
- 07 Water Quality Results
- 08 Notices of Violation
- 09 Lead
- 10 How to Participate

What is a Consumer Confidence Report (CCR)?

also referred to as a CCR. CCRs Annual Water Quality Report, 2021. For your information during the calendar year of your drinking water during are pleased to report the detected in their drinking customers know what drinking water. They let potential health effects. We contaminants, if any, were provide customers with We proudly present our tables showing the testing of we have compiled a list of testing of your drinking water regarding the quality of their results of the laboratory water, as well as associated mportant information

About Us

Central States Water Resources is transforming how water utilities work by using technology and innovation to quickly assess and invest in reliable infrastructure that meets or exceeds stringent state and federal safety standards, ensuring all communities across the U.S. have access to safe, clean and reliable water resources while protecting the aquifers, lakes, rivers and streams that are essential to our world.

Our Mission:

Central States Water Resources is working to bring safe, reliable, and environmentally responsible water resources to every community in the U.S.

This report contains important information about the source and quality of your drinking water. If you would like a paper copy of the 2021 Report mailed to your home, please call (855)-801-8440

Este informe contiene information importante sobre la fuente y la calidad de su agua potable. Si desea recibir una copia escrita del informe annual de la calidad del agua del 2021 ens su casa, llame al numero de telefono (855)-801-8440

About Your Drinking Water Supply

WHERE YOUR WATER COMES FROM

Water Source: Groundwater

Source Water Assessment: The Mississippi Department of Environmental Quality has system is at a lower risk of contamination. conducted a source water assessment in your area. They have determined that your

maintain water quality in the distribution system. Disinfection Treatment: The water supplied to you is treated with chlorine to

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In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Definition of Terms

Action Level (AL): The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements, that a water system must follow.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Leve (MCL): The highest level of a contaminant that is allowed in drinking water MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum Residual Disinfectant Level (MRDL): the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Nephelometric Units (NTU): Measure of the clarity, or turbidity of the water.

pH: A measure of acidity, 7.0 being neutral.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

NA: Not Applicable

ND: Not Detected

Picocuries per liter (pCi/L): Measure of the natural rate of disintegration of radioactive contaminants in water.

Parts per billion (ppb): One part substance per billion parts water or microgram per liter ($\mu g/L$).

Parts per million: One part substance per million parts water or milligram per liter (mg/L).

Parts per trillion (ppt): One part substance per trillion parts water or nanograms per liter (ng/L).

Sources of Contaminants

substances resulting from the presence of animals or from and, in some cases, radioactive material, and can pick up through the ground, it dissolves naturally-occurring minerals and wells. As water travels over the surface of the land or water) include rivers, lakes, streams, ponds, reservoirs, springs, The sources of drinking water (both tap water and bottled human activity.

Contaminants That May be Present in Source Water:

Microbes Inorganic Chemicals
Inorganic Chemicals
Pesticides & Herbicides
Organic Chemicals
Radioactive Contaminants

Special Health Information:

advice form a health care additional precautions with special health care needs, or living with HIV/AIDs, are undergoing chemotherapy general population. Those who drinking water than the vulnerable to contaminants in Some people may be more visit www.epa.gov/safewater/ provider. For more information your drinking water and seek please consider taking risk for infections. If you have women can be at particular infants, elderly, and pregnant transplants, children and healthcare/special.html

Water Quality Results

- monitoring are reported in the following tables. to determine if your water meets all water quality standards. The detections of our Central States and our Utility Operating Companies conduct extensive monitoring
- Some unregulated substances are measured, but MCLs have not been established by the government. These contaminants are shown for your information.
- Regulated contaminants not listed in this table were not found in the treated water

No Detected Results were found in the year 2021	er 2021						
Inorganic Chemicals (IOC)	Collection Date	ighest Test Resul	Collection Date ighest Test Resulinge of Sampled Result	Unit	MCL	MCLG	Typical Source
							Natural deposits; Water additive which promotes strong
Fluoride	1/25/2021	0.123	NA	mg/L	4.	4	teeth
							Discharge of drilling waste; Discharge from metal
Barium	1/25/2021	0,0049	NA	mg/L	М	Ŋ	refineries; Erosion of natural deposits
Sodium	2/11/2021	4.29	NA	mg/L	ΝA	20	Erosion of natural deposits; Leaching
Lead and Copper	Collection Date	90th Percentile	90th Percentile Samples Exceeding AL	Unit		AL	Typical Source
							Corrosion of household plumbing systems; Erosion of
Copper	2019	0.744	0	MG/L	1,3	1,3	natural deposits; Leaching from wood preservatives
Lead	2019	0.004	0	MG/L	0.015	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
		1		: :			
	Concount Date	Burney, separate	Court office a flue at the attraction of the but of the but of the attraction of the	Olin	Tall City	10000	Telegropi acquiec
Nitrate/Nitrite	2/11/2021	0.838	NA	mg/L	10	10	Runoff from fertilizer use; Leaching from septicitants, sewage; Erosion of natural deposits
ditrata	2/14/2021	0 2 4	N A		ŝ	ś	Runoff from fertilizer use; Leaching from septic tanks,
		3		C			Runoff from fertilizer use; Leaching from septic tanks,
Nitrite	2/11/2021	0.02	NA.	mg/L	_	_	sewage: Erosion of natural deposits
Synthetic Organic Chemicals (SOC)	Collection Date	lighest Test Resu	Collection Date lighest Test Resuange of Sampled Resul	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ar 2021					1	
Volatile Organic Chemicals (VOC)	Collection Date	lighest Test Resu	Collection Date lighest Test Resuange of Sampled Resul	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ar 2021						
Disinfectants	Collection Date	Highest QTR RAA	Collection Date Highest QTR RAAnge of Sampled Result	Unit	MCL	MCLG	Typical Source
Chlorine	2021	1.6	0.0-1.90	m5/L	4	4	Water additive used to control microbes
Disinfection Byproducts	Collection Date	lighest Test Resu	Collection Date lighest Test Resumpe of Sampled Result	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ar 2021						
Radionuclides	Collection Date	lighest Test Resu	Collection Date lighest Test Resuringe of Sampled Resul	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ar 2021						

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or disribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

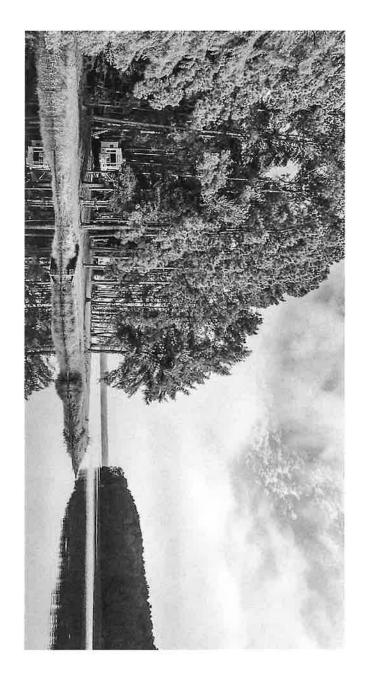
A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system

During the paswit year, we were required to conduct one Level 1 assessment(s). One Level 1 assessments were completed, in addition, we were required to take one corrective actions and we completed on



Notices of Violation

No Violations Occurred in the Calendar Year of 2021



Water Hotline or at http://www.epa.gov/safewater/lead. in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or materials used in plumbing components. When your water has been sitting for several hours, you can minimize the plumbing. Cactus State is responsible for providing high quality drinking water but cannot control the variety of children. Lead in drinking water is primarily from materials and components associated with service lines and home If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young

Reduce Your Exposure



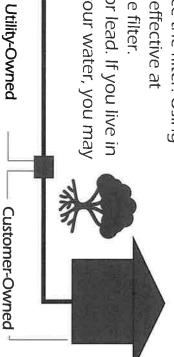






- 2 Ψ making baby formula. Boiling water does not remove lead from Using cold water- Use only cold water for drinking, cooking, and in their community. contact their water utility for recommendations about flushing times the tap, taking a shower, doing laundry, or dishes. Residents should Run your water- Before drinking, flush your home's pipes by running
- Sediments, debris, and lead particles can collect in your aerator. Clean your aerator- Regularly clean your faucet's screen (aerator).
- the cartridge after it has expired can make it less effective at filter certified to remove lead. Know when to place the filter. Using Use your filter properly- If you use a filter, make sure you can use a removing lead. Do not run hot water through the filter
- an older home, or are concerned about lead in your water, you may wish to have your water tested. Have a licensed plumber check your plumbing for lead. If you live in

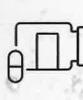
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How to Participate

government and non-profit organizations community effort to protect shared resources. deliver high quality water. It takes a important part of the process to treat and Protecting drinking water at its source is an This includes utilities, businesses, residents,

WHAT CAN YOU DO?



Properly dispose of oils and paints. pharmaceuticals household chemicals,



Sweep material and seal in bag. Check with local tank leaks with cat litter. Clean up heating or fue facility for disposal.

WATER INFORMATION SOURCES:

Central States Water Resources (CSWR)

https://www.centralstateswaterresources.com/contact-us/

Mississippi Department of Health/Bureau of Public Water

https://apps.msdh.ms.gov/DWW/

www.epa.gov/safewater United States Environmental Protection Agency (USEPA)

Safe Drinking Water Hotline

(800) 426-4791

American Water Works Association www.drinktap.org

Centers for Disease Control and Prevention www.cdc.gov

Water Quality Association www.wqa.org

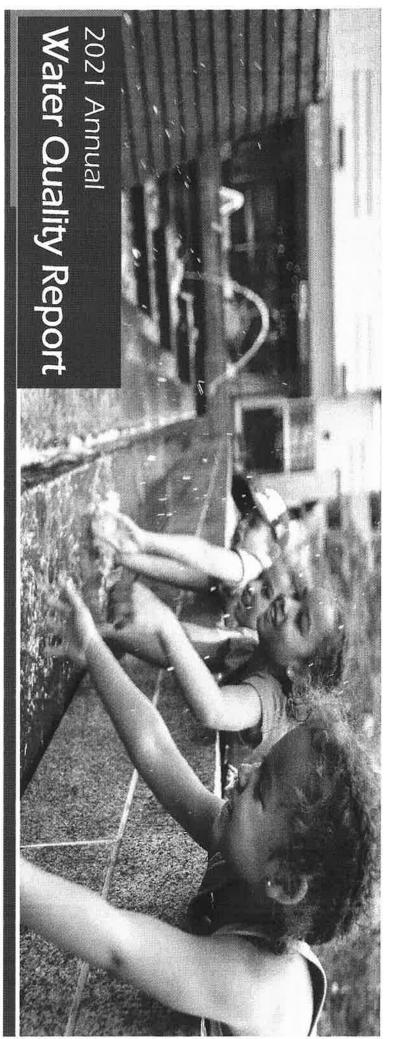
www.nlm.nih.gov/medlineplus/drinkingwater.htm National Library of Medicine/National Institute of Health





and limit the use of fertilizers and pesticides. Clean up after your pets

outreach programs. activities or volunteer Take part in watershed



Great River Utility Operating Company Black Creek PWS ID MS0180021

ATTENTION: Landlords and Apartment Owners

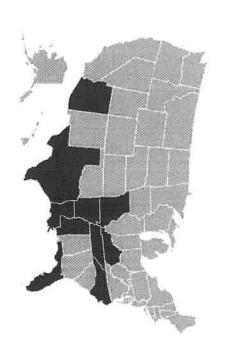
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GREAT RIVER

Utility Operating Company





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your drinking water during 2021. For your information we have compiled a list of during the calendar year of are pleased to report the also referred to as a CCR, CCRs Annual Water Quality Report, water, as well as associated detected in their drinking drinking water. They let customers know what We proudly present our tables showing the testing of testing of your drinking water potential health effects. We contaminants, if any, were Important information provide customers with results of the laboratory regarding the quality of their

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Sources of Contaminants

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Contaminants That May be Present in Source Water:

which can be naturally occurring or man-made may occur through weathering rock, mining, and runoff.	Radioactive Contaminants
including synthetic or volatile organic human-made compounds, such as dry-cleaning solvents, may occur due to due to disposal of untreated waste into septic systems or stormwater runoff.	Organic Chemicals
which may come from a variety of sources such as agricultural or stormwater runoff, and residential uses.	Pesticides & Herbicides
such as toxic heavy metals and salts, which come from urban stormwater runoff, industrial waste discharges, oil and gas production, mining, or farming.	Inorganic Chemicals
such as viruses and bacteria may come which may occur through sewage treatment plants, domesticated animals, or wildlife.	Microbes

Special Health Information:

your drinking water and seek additional precautions with please consider taking special health care needs, vulnerable to contaminants in visit www.epa.gov/safewater/ provider. For more information advice form a health care risk for infections. If you have women can be at particular infants, elderly, and pregnant transplants, children and or living with HIV/AIDs, are undergoing chemotherapy general population. Those who drinking water than the Some people may be more healthcare/special.html

Water Quality Results

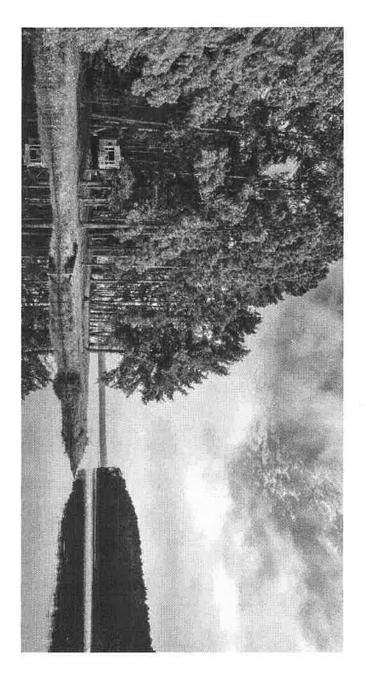
- Central States and our Utility Operating Companies conduct extensive monitoring monitoring are reported in the following tables. to determine if your water meets all water quality standards. The detections of our
- by the government. These contaminants are shown for your information. Some unregulated substances are measured, but MCLs have not been established
- supply. Regulated contaminants not listed in this table were not found in the treated water

Microbiological (RTCR)	Collection Date	Positive	Violation (Y or N)	Unit	MC	MCL MCLG	Typical Source
No Detected Results were found in the year 2021	ear 2021						
Inorganic Chemicals (IOC)	Collection Date	Highest Test Result	Range of Sampled Results	Unit	WCF	MCLG	Typical Source
Barium	1/25/2021	0.0049	NA	mg/L	2	2	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits
Fluoride	1/25/2021	0.123	NA	mg/∟	4	4	Natural deposits; Water additive which promotes strong teeth
Lead and Copper	Collection Date	90th Percentile	Samples Exceeding AL	Unit	AL		Typical Source
No Detected Results were found in the year 2021	ear 2021						
Nitrate/Nitrite	Collection Date	Highest Test Result	Range of Sampled Results	Unit	MCL	MCLG	Typical Source
Nitrate/Nitrite	2/11/2021	0.836	NA	mg/L	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate	2/11/2021	0.836	NA	mg/L	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite	2/11/2021	0.02	NA	mg/L	1	н	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
					3	ĺ	
Synthetic Organic Chemicals (SOC)	Collection Date	Highest Test Result	Range of Sampled Results	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ear 2021						
Volatile Organic Chemicals (VOC)	Collection Date	Highest Test Result	Range of Sampled Results	Unit	WCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ear 2021						
Disinfectants	Collection Date	Highest Test Result	Range of Sampled Results	Unit	MCL	MCL MCLG	Typical Source
Chlorine	2021	1.9	0.00-1.9	mg/L	4	4	Water additive used to control microbes
DisInfection Byproducts	Collection Date	Highest Test Result	Range of Sampled Results	Unit	MCL	MCLG	Typical Source
No Detected Results were found in the year 2021	ear 2021						
Podion inlidos	Callaction Data	Uighast Tast Bassilt	Bases of Campled Borrie	-			Turkel Same
No Detected Results were found in the year 2021	ear 2021	:					Homosonia
					l	l	



Notices of Violation

No Violations Occurred in the Calendar Year of 2021



Water Hotline or at http://www.epa.gov/safewater/lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or materials used in plumbing components. When your water has been sitting for several hours, you can minimize the plumbing. Cactus State is responsible for providing high quality drinking water but cannot control the variety of children. Lead in drinking water is primarily from materials and components associated with service lines and home If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young

Reduce Your Exposure



Run your water- Before drinking, flush your home's pipes by running

contact their water utility for recommendations about flushing times the tap, taking a shower, doing laundry, or dishes. Residents should



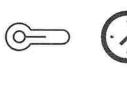






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in their community

Sediments, debris, and lead particles can collect in your aerator. Clean your aerator- Regularly clean your faucet's screen (aerator).

making baby formula. Boiling water does not remove lead from Using cold water- Use only cold water for drinking, cooking, and

- filter certified to remove lead. Know when to place the filter. Using Use your filter properly- If you use a filter, make sure you can use a the cartridge after it has expired can make it less effective at removing lead. Do not run hot water through the filter
- wish to have your water tested an older home, or are concerned about lead in your water, you may Have a licensed plumber check your plumbing for lead. If you live in

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Customer-Owned

Utility-Owned

How to Participate

Protecting drinking water at its source is an important part of the process to treat and deliver high quality water. It takes a community effort to protect shared resources. This includes utilities, businesses, residents, government and non-profit organizations.

WATER INFORMATION SOURCES:

Central States Water Resources (CSWR)
https://www.centralstateswaterresources.com/contact-us/

Mississippi Department of Health/Bureau of Public Water Supply

https://apps.msdh.ms.gov/DWW/

United States Environmental Protection Agency (USEPA) www.epa.gov/safewater

Safe Drinking Water Hotline (800) 426-4791

Centers for Disease Control and Prevention www.cdc.gov

American Water Works Association www.drinktap.org

Water Quality Association www.wqa.org

National Library of Medicine/National Institute of Health www.nlm.nih.gov/medlineplus/drinkingwater.html



Clean up after your pets and limit the use of fertilizers and pesticides.



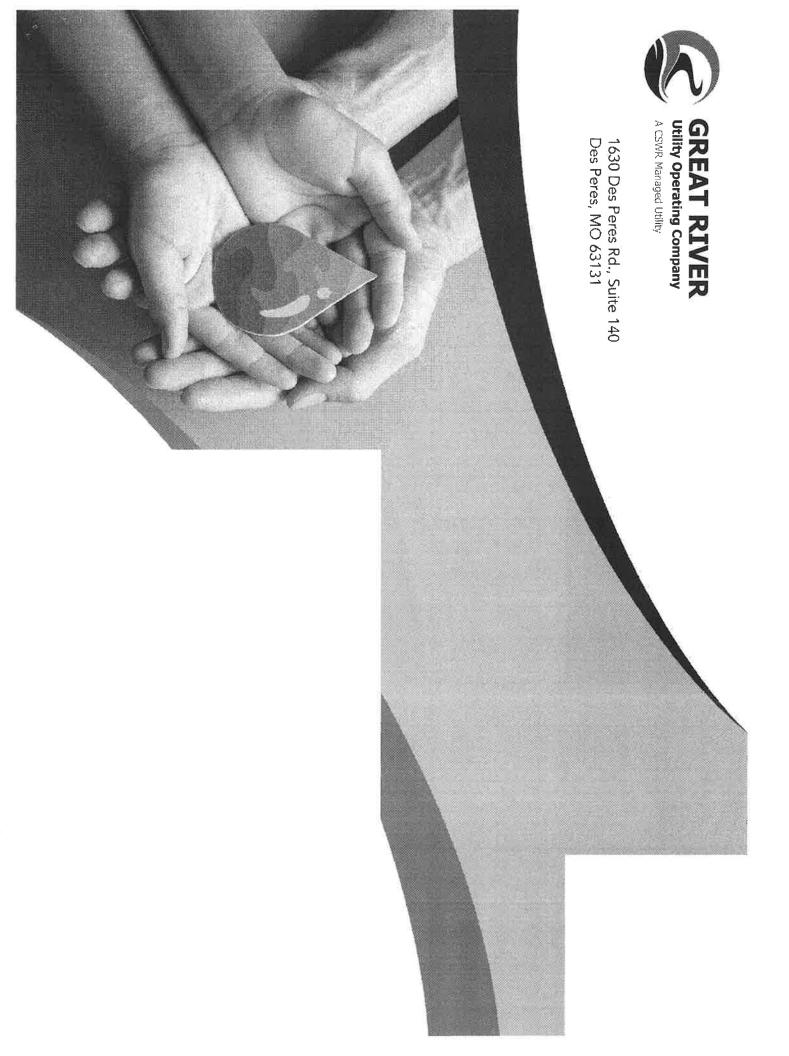
Take part in watershed activities or volunteer outreach programs.

WHAT CAN YOU DO?



Properly dispose of pharmaceuticals, household chemicals, oils and paints.

Clean up heating or fuel tank leaks with cat litter. Sweep material and seal in bag. Check with local facility for disposal.

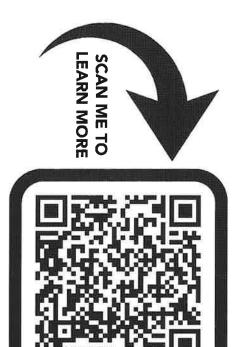


HOW TO FIND YOUR 2021 REPORT OUALITY



Our mission is to provide you with safe, reliable and environmentally responsible water.

Scan the QR code to see your water system's annual Consumer Confidence Report, or visit this URL: https://www.centralstateswaterresources.com/wp-content/uploads/2022/06/Twelve-Oaks-Estates-Consumer-Confidence-Report-2021.pdf



To request a paper copy, please call 1-855-801-8440.

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono **1-855-801-8440.**